

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For The Technical Direction Of The LTPP Program



Program Area: Monitoring

Directive Number: SM-15

Date: September 16, 1996

Supersedes: SM-12

Subject: Installation of Solar Battery Chargers at SMP Test Sections

Effective immediately, solar battery chargers shall be installed at all active seasonal monitoring test sections where data are to be collected over a period of three (3) months or greater after installation of the charger; i.e., for Round 3 test sections and test sections in all subsequent seasonal monitoring cycles.

A 3.2 watt, 12 volt, 200 milli-ampere solar battery charger or equivalent, such as the one recommended in the attached memorandum from Brandt Henderson, shall be purchased by the RCOCs for installation at active SMP test section locations. Purchase of the chargers shall be limited to active SMP test sections only. The intent is to move these chargers to other SMP test sections with changes in monitoring cycles.

Installation of the solar battery chargers shall be done in accordance to the manufacturer's instructions. The RCOCs are responsible for determining appropriate mounting locations and methods for each charger depending on site conditions. However, because the chargers will be moved from one set of sites to another at the conclusion of each monitoring cycle, they should be mounted in a manner that allows their removal.

Please note that installation of solar battery chargers at active SMP test sections eliminates the need for routine replacement of the ONSITE battery; thus, LTPP Directive SM-12 is no longer valid. If it becomes necessary to replace the ONSITE battery at an active SMP test section, the procedure outlined in LTPP Directive SM-5 shall be followed.

Prepared by: Aramis Lopez, Jr.

Approved by:

Monte Symons
Team Leader, LTPP Operations